



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

MAYES TESTING ENGINEERS, INC.
10029 S. Tacoma Way, Suite E-2
Tacoma, WA 98499
Timothy Beckerle Phone: 253 584 3720

Valid To: November 30, 2011

Certificate Number: 1002.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory for:

CONSTRUCTION MATERIALS ENGINEERING

ASTM: C1077 (Laboratories Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Laboratory Evaluation);
D3666 (Agencies Testing and Inspecting Road and Paving Materials);
D3740 (Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction);
E329 (Agencies Engaged in Construction Inspection and/or Testing
AASHTO: R18 (Practice for Establishing and Implementing a Quality Management System for Construction Materials Testing Laboratories)

CONSTRUCTION MATERIALS TESTING

Test Method:

Test Description:

Aggregates:

ASTM C29	Bulk Density ("Unit Weight") and Voids in Aggregate
ASTM C117	Materials Finer than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing
ASTM C127	Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate
ASTM C128	Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate
ASTM C136	Sieve Analysis of Fine and Coarse Aggregates
ASTM C566	Total Evaporable Moisture Content of Aggregate by Drying
ASTM C702	Reducing Samples of Aggregate to Testing Size
ASTM D75*	Sampling Aggregates
ASTM D2419	Sand Equivalent Value of Soils and Fine Aggregate
ASTM D3665	Random Sampling of Construction Materials

Bituminous:

ASTM D979*	Sampling Bituminous Paving Mixtures
ASTM D2041*	Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures
ASTM D2726	Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures
ASTM D2950	Density of Bituminous Concrete in Place by Nuclear Methods

Test Method:

ASTM D3203
ASTM D5361
ASTM D5444
ASTM D5821
ASTM D6307
ASTM D6926*
ASTM D6927*

Test Description:

Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures
Sampling Compacted Bituminous Mixtures for Laboratory Testing
Mechanical Size Analysis of Extracted Aggregate
Determining the Percentage of Fractured Particles in Coarse Aggregate
Asphalt Content of Hot-Mix Asphalt by Ignition Method
Preparation of Bituminous Specimens Using Marshall Apparatus
Marshall Stability and Flow of Bituminous Mixtures

Concrete:

ASTM C31/C31M*
ASTM C39/C39M*
ASTM C42/C42M*
ASTM C78/C78M*

ASTM C138/C138M*

ASTM C143/C143M*
ASTM C172/C172M*
ASTM C173*
ASTM C192/C192M
ASTM C231/C231M*
ASTM C617*
ASTM C1064/C1064M*
ASTM C1231/C1231M*

Making and Curing Concrete Test Specimens in the Field
Compressive Strength of Cylindrical Concrete Specimens
Obtaining and Testing Drilled Cores and Sawed Beams of Concrete
Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)
Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete
Slump of Hydraulic-Cement Concrete
Sampling Freshly Mixed Concrete
Air Content of Freshly Mixed Concrete by the Volumetric Method
Making and Curing Concrete Test Specimens in the Laboratory
Air Content of Freshly Mixed Concrete by the Pressure Method
Capping Cylindrical Concrete Specimens
Temperature of Freshly Mixed Hydraulic-Cement Concrete
Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders

Fireproofing:

ASTM E605*

ASTM E736*

Thickness and Density of Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members
Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members

Masonry:

ASTM C109/C109M
(Compressive Strength Only)
ASTM C140
ASTM C780*
(Compressive Strength Only)
ASTM C1019*
ASTM C1314

Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
Sampling and Testing Concrete Masonry Units and Related Units
Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry
Sampling and Testing Grout
Compressive Strength of Masonry Prisms

Soils:

ASTM D421

ASTM D698
ASTM D1140
ASTM D1556
ASTM D1557*
ASTM D2216

Dry Preparation of Soil Samples for Particle-Size Analysis and Determination of Soil Constants
Laboratory Compaction Characteristics of Soil Using Standard Effort
Amount of Material in Soils Finer than No. 200 (75- μ m) Sieve
Density and Unit Weight of Soil in Place by Sand-Cone Method
Laboratory Compaction Characteristics of Soil Using Modified Effort
Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass

Test Method:

ASTM D4318
ASTM D4718
ASTM D6938*

Test Description:

Liquid Limit, Plastic Limit, and Plasticity Index of Soils
Unit Weight and Water Content for Soils Containing Oversize
Particles
In-Place Density and Water Content of Soil and Soil-Aggregate by
Nuclear Methods (Shallow Depth)

Steel (Shop & Field)*:

AWS D1.1, D1.3, D1.4, D1.5,
1.8
AISC/RCSC

Fabrication & Erection – Visual Welding
Manual of Steel Construction (Fabrication & Erection – Visual &
Bolting)

¹ NOTE: This laboratory's scope contains withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.

* This laboratory meets A2LA *R104 – General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these tests or calibrations.



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

MAYES TESTING ENGINEERS, INC.

Tacoma, WA

for technical competence in the field of

Construction Materials Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).



Presented this 1st day of October 2009.

A handwritten signature in black ink, appearing to read "Peter Mayes".

President & CEO
For the Accreditation Council
Certificate Number 1002.02
Valid to November 30, 2011
Revised October 24, 2011

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Construction Materials Scope of Accreditation.